

## **EXHIBIT E**

RESULT 7  
AAV63730  
ID AAV63730 standard; DNA; 9299 BP.  
XX  
AC AAV63730;  
XX  
DT 12-APR-1999 (first entry)  
XX  
DE Vector plasmid PerGUS16.  
XX  
KW Peroxidase; per5 gene; maize; corn; transgenic plant; promoter; root;  
KW vector; plasmid PerGUS16; beta-glucuronidase; uidA; reporter gene; ds;  
KW circular; cyclic.  
XX  
OS Escherichia coli.  
OS Zea mays.  
OS Agrobacterium tumefaciens.  
OS Synthetic.  
OS Chimeric.  
XX  
FH Key Location/Qualifiers  
FT promoter 48..4247  
FT /\*tag= a  
FT /note= "per5 promoter and untranslated leader"  
FT exon 4248..4263  
FT /\*tag= b  
FT /note= "per5 exon 1"  
FT CDS 4264..6068  
FT /\*tag= c  
FT /product= "beta-glucuronidase"  
FT /note= "Escherichia coli uidA reporter gene"  
FT 3'UTR 6069..6111  
FT /\*tag= d  
FT /note= "3' untranslated region from pBI221"  
FT 3'UTR 6122..6396  
FT /\*tag= e  
FT /note= "nos 3'UTR"  
FT misc\_feature 6397..6407  
FT /\*tag= f  
FT /note= "linker"  
FT misc\_feature 6408..9299  
FT /\*tag= g  
FT /note= "Bluescript II SK-"  
XX  
PN WO9856921-A1.  
XX  
PD 17-DEC-1998.  
XX  
PF 10-JUN-1998; 98WO-US011921.  
XX  
PR 12-JUN-1997; 97US-0049752P.  
XX  
PA (DOWC) DOW AGROSCIENCES LLC.  
XX  
PI Ainley M, Armstrong K, Belmar S, Folkerts O, Hopkins N, Menke MA;  
PI Pareddy D, Petolino JF, Smith K, Woosley A;  
XX  
DR WPI; 1999-080904/07.  
XX  
PT Now isolated regulatory sequences for transgenic plants - which are  
PT derived from the maize root preferential cationic peroxidase protein  
PT (per5) gene.  
XX  
PS Example 11; Page 108-112; 150pp; English.  
XX  
CC This is the nucleotide sequence of PerGUS, a plasmid containing 4 kb of  
CC the maize root preferential cationic peroxidase per5 gene comprising the  
CC per5 promoter, untranslated leader, and the first 5 codons of the coding  
CC region (i.e. nucleotides 1-4200 of the sequence given in AAV63717), as  
CC well as the GUS gene, and the nos 3' untranslated region (3'UTR). It does  
CC not include an intron in the untranslated region. The invention relates  
CC to new isolated regulatory sequences, especially promoter, intron and  
CC 3'UTR sequences, of the maize per5 gene. Claimed recombinant gene  
CC cassettes comprising per5 regulatory sequences are used to control  
CC expression of recombinant genes in selected tissue, especially the root,  
CC of transformed plants, particularly maize  
XX  
SQ Sequence 9299 BP; 2573 A; 2114 C; 2158 G; 2453 T; 0 U; 1 Other;  
Query Match 25.4%; Score 209.2; DB 2; Length 9299;

